(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

WIPO OMPIO

(43) International Publication Date 27 December 2001 (27.12.2001)

PCT

(10) International Publication Number WO 01/97957 A1

(51) International Patent Classification7:

B01D 71/06

(21) International Application Number: PCT/KR01/01076

(22) International Filing Date:

22 June 2001 (22.06.2001)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 2000/34948

23 June 2000 (23.06.2000) KI

(71) Applicant (for all designated States except US): LG CHEMICAL CO. LTD. [KR/KR]; LG Twin Tower, Yoido-dong 20, Youngdungpo-ku, Seoul 150-721 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEE, Sang-Young [KR/KR]; LG Apt. 5-105, Doryong-dong 381-42, Yousung-ku, Taejeon-city 305-340 (KR). AHN, Byeong-In [KR/KR]; LG Apt. 9-301, Doryong-dong 381-42, Yousung-ku, Taejeon-city 305-340 (KR). PARK, Soon-Yong [KR/KR]; LG Apt. 3-516, Doryong-dong

386-1, Yousung-ku, Taejeon-city 305-340 (KR). KYUNG, You-Jin [KR/KR]; 14/2, 361-5, Gaebong 3-dong, Guro-ku, Seoul 152-815 S (KR). SONG, Heon-Sik [KR/KR]; LG Apt. 9-502, Doryong-dong 381-42, Yousung-ku, Taejeon-city 305-340 (KR).

(74) Agent: SONG, Byeong-Ok; 9th Fl. Teheran Bldg., Yoksam-dong 825-33, Kangnam-ku, Seoul 135-080 (KR).

(81) Designated States (national): CN, JP, US.

(84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

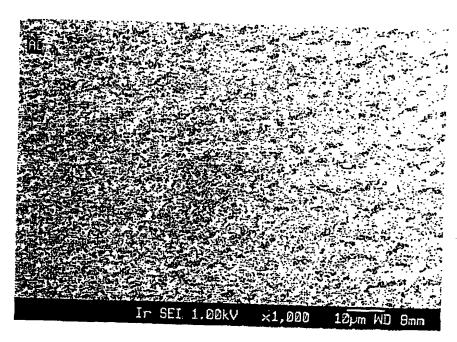
Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MULTI-COMPONENT COMPOSITE MEMBRANE AND METHOD FOR PREPARING THE SAME



(57) Abstract: The present invention relates to a multi-component composite separate membrane and method for preparing the same, and it provides a composite membrane comprising active layers and support layers, wherein the support layers are located on the interior side of the membrane and the active layers are located on the exterior side of the membrane.



01/97957 A1